

## CLAIMS

What is claimed is:

1. A method for facilitating collaboration on a project using an  
5 Application Service Provider, comprising the steps of:  
    setting up projects containing data fields wherein each data field is  
    assigned a unique identifier for recognizing data fields between databases that contain  
    similar data but have different designations;  
    publishing the data fields with their unique identifiers to a central  
10 database;  
    inviting collaborators to participate in projects, wherein collaborators  
    can access the central database using the Internet to retrieve project data and  
    associated unique identifiers if data fields in received information are unknown  
    locally;  
15 locally mapping retrieved or received data fields and associated unique  
    identifiers;  
    electronically exchanging information relating to projects between  
    participants; and  
    preserving individual ownership of project information.  
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2. The method of claim 1, wherein the project is in the  
construction industry.
3. The method of claim 1, further comprising the step of:  
25 creating document histories by inserting new records into data fields  
    within the document or message reflecting changes made to messages or documents  
    as the message or documents are exchanged.
4. The method of claim 1, further comprising the step of:  
30 generating reports on projects for a collaborator on an enterprise level  
    or project specific level.

5. The method of claim 1, wherein the step of setting up a project further comprises the steps of:

electronically transmitting project data fields to a database, wherein a  
5 unique identifier is assigned to each data field;  
returning the unique identifiers to a local computer;  
locally mapping the unique identifiers;  
choosing participants;  
addressing invitations to collaborate;  
10 electronically transmitting the invitations to collaborate to chosen  
participants.

6. The method of claim 1, wherein the step of electronically transmitting invitations further comprises the steps of:

15 converting the invitation into a transmittal format;  
placing the invitation in an electronic envelope;  
addressing the invitation;  
creating a document history record; and  
electronically sending the invitation.

20 7. The method of claim 6, wherein the transmittal format is XML.

8. The method of claim 1, wherein the step of electronically exchanging information further comprises the steps of:

25 selecting a document to exchange;  
determining whether all data fields in the document each have a unique  
identifier, and if some data fields do not have unique identifiers, then electronically  
transmitting those data fields to a central database, wherein unique identifiers are  
assigned to the data fields; and  
30 electronically transmitting the document.

9. The method of claim 6, wherein the step of electronically transmitting the document further comprises the steps of:

converting the document into a transmittal format;  
placing the document in an electronic envelope;  
addressing the document;  
creating a document history record; and  
electronically sending the document.

10. The method of claim 9, wherein the transmittal format is XML.

11. The method of claim 6, wherein the step of electronically exchanging information further comprises the steps of:

receiving a message;  
placing the message in addressee's queue to be accepted;  
determining whether to accept the message, and if the message is not accepted, then returning the message to sender, but if the message is accepted, then  
determining whether all data fields of the message have unique identifiers locally, and if all data fields do not have local global unique identifiers, then mapping all data, but if all data fields do have local unique identifiers, then  
marking data as read;  
marking document as useable;  
determining whether a return receipt was requested, and if a return receipt was requested, then notifying sender, but if a return receipt was not requested, then ending.

12. The method of claim 1 or 5, wherein the step of mapping further comprises the steps of:

performing a data comparison;

5 determining whether a match exists between received data and local data, and if a match exists displaying the matches to a user, but if a match does not exist, then importing data and unique identifier values from a database;

determining whether a match is selected, and if a match is selected, mapping the database unique identifier locally, but if no match is selected, then importing the data value and associated unique identifier.

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13. The method of claim 11, wherein the step of receiving a message further comprises the steps of:

using a computer to receive messages;

15 determining whether a received message is from an allowed sender, and if the message is not from an allowed sender, then rejecting the message and notifying the sender, but if the message is from an allowed sender, then

determining whether addressee is known locally, and if addressee is not known locally, then saving the message locally and notifying an administrator, but if addressee is known locally then,

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determining whether the addressee has sufficient permissions for the message, and if the addressee does have sufficient permissions for the document, then saving the document; and

marking the document as a new message;

25 but if the addressee does not have sufficient permissions for the message then rejecting the message and notifying sender.

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- rejecting message;
- notifying sender of rejection; and
- removing local copy of message.

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and

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Case	Age	Sex	Occupation	Duration of illness (years)	Site of lesion	Pathological changes	Microscopic findings	Immunohistochemical findings	Diagnosis
1	65	M	Farmer	10	Brain	Chronic	Microscopic	Immunohistochemical	Chronic
2	68	F	Housewife	15	Brain	Chronic	Microscopic	Immunohistochemical	Chronic
3	72	M	Teacher	20	Brain	Chronic	Microscopic	Immunohistochemical	Chronic
4	75	F	Retiree	25	Brain	Chronic	Microscopic	Immunohistochemical	Chronic
5	78	M	Engineer	30	Brain	Chronic	Microscopic	Immunohistochemical	Chronic
6	80	F	Homemaker	35	Brain	Chronic	Microscopic	Immunohistochemical	Chronic
7	82	M	Businessman	40	Brain	Chronic	Microscopic	Immunohistochemical	Chronic
8	85	F	Teacher	45	Brain	Chronic	Microscopic	Immunohistochemical	Chronic
9	88	M	Retiree	50	Brain	Chronic	Microscopic	Immunohistochemical	Chronic
10	90	F	Homemaker	55	Brain	Chronic	Microscopic	Immunohistochemical	Chronic

16. A method of exchanging information in the construction industry using an Application Service Provider, comprising the steps of:

creating in a local computing area an electronic document having data fields containing information to be shared;

5 electronically transmitting the document to a central database, wherein a unique global identifier is assigned to each data field;

returning the unique identifiers to the local computing area wherein the unique identifiers are locally associated with their corresponding data fields;

10 addressing the document by retrieving routing information associated with a unique identifier of an addressee from the central database ;

inserting the routing information into the document;

electronically sending the document;

receiving the document at a server;

15 responding to the document by sending a message having data fields associated with unique identifiers stored in a central database accessible by addressees.

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 (2) a device;  
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 (4) a device providing access to the process;  
 (5) a device containing information;  
 (6) a device identifier;  
 (7) a device to address the process;  
 (8) a unique identifier is received;  
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